

ABSTRACT OF THE DISCLOSURE

The invention relates to an axial-flow thermal turbomachine, having a rotor (1) made from a metallic material with a first density ( $D_1$ ), in which rotor blades (3, 3') and intermediate pieces (4) are mounted alternately in a circumferential groove. It is characterized in that said intermediate pieces (4) consist of a material with a second density ( $D_2$ ), which is lower than the first density ( $D_1$ ). Particularly suitable materials for the intermediate pieces (4) are intermetallic compounds, preferably intermetallic  $\gamma$ -titanium aluminide alloys or intermetallic orthorhombic titanium aluminide alloys, but also titanium alloys.

(Fig. 1)